

SOV/85-58-10-27/34

AUTHOR: Ivannikov, I., USSR Champion, Master of Sports; Matveyev, V.,
Master of Sports; and Lebedinskiy, M.

TITLE: At All-Union Model-aircraft Airfields (Na Vsesoyuznykh avia-
model'nykh startakh)

PERIODICAL: Kryl'ya rodiny, 1958, Nr 10, pp 27-31 (USSR)

ABSTRACT: The authors report on the All-Union model-aircraft competition of
Komsomol members in honor of the 40th anniversary of the VIKSM.
The contest took place in August [1958] at Tushino, the airfield
of the Tsentral'nyy aeroklub SSSR imeni V.P. Chkalova (USSR Central
Aeroclub imeni V.P. Chkalov). A detailed account is given of the
records of individual teams and aircraft models, including scores.
There are 7 photographs.

Card 1/1

IVANNIKOV, I.

The directors of publishing houses speak. Voen. znan. 40 no.2:47
F '64. (MIRA 17:2)

IVANNIKOV, I., mayor [Tukums Latvyskoy SSR]

Visually and instructively. Voen.znan. 39 no.10:26-27 0 '63.
(MIRA 16:11)

IVANNIKOV, I.; DONSKOY, V.

On the whole, yes... Voen. znan. 40 no.12:29 D '62
(MIRA 18:1)

IVANNIKOV, I., mayor

Arouse thought, disturb the hearts of people. Komm. Voprash.
S11 46 no.15:70-74 Ag '65. (MIRA 18:9)

IVANNIKOV, I.A.

Baring the Rozdol region sulfur deposit in difficult hydrogeological conditions. Gor. zhur. no. 11:30-34 N '60. (MIRA 13:10)

1. Direktor Rozdol'skogo sernogo kombinata.
(Lvov Province--Sulfur mines and mining)

IVONIN, Ivan Pavlovich; DAVYDOV, Viktor Viktorovich; ZORIN, Leonid
Fedorovich; IVANNIKOV, Ivan Andreyevich; AKSENOV, V.P.,
kand. tekhn. nauk, retsenzent; BYKHOVSKAYA, S.N., red.
izd-va; MAKSIMOVA, V.V., tekhn. red.

[Open pit mining of native sulfur deposits] Otkrytaia raz-
rabotka mestorozhdenii samorodnoi sery. Moskva, Gosgortekh-
izdat, 1963. 303 p. (MIRA 17:1)
(Sulfur mines and mining) (Strip mining)

IVANNIKOV, M. (st. Buzuluk, Chkalovskoy oblasti)

Increasing the stability of the TCK-3. Radio no.6:47 Je '56.

(MLRA 9:8)

(Electric apparatus and appliances)

SOV/84-58-9-43/51

AUTHOR: Ivannikov, M., Chief of the Shipping Department,
Voronezh airport

TITLE: Bureaucratic Narrowness (Vedomstvennaya organichernost')

PERIODICAL: Grazhdanskaya aviatsiya, 1958, Nr 9, p 35 (USSR)

ABSTRACT: The author complains about the attitude of local as well as Moscow administrators of Special Purpose Aviation who deny the Voronezh airport planes for scheduled passenger air service on local oblast routes. Denial of planes is explained by a dispute concerning income which would be earned by the airport if equipment is detailed to it. Special Purpose Aviation, for its part, is anxious to use its aircraft for such assignments, the income from which falls to their credit.

Card 1/1

IVANNIKOV, M.YA.
GRIGOR'YEV, B.Ye.; UTESHEV, A.I.; IVANNIKOV, M.Ya., epizootolog.

Elimination of tuberculosis in cattle in Kursk Province collective farms. Veterinariya 34 no.11:81-83 N '57. (MIRA 10:12)

1. Veterinarnyy otdel kurskogo oblastnogo upravleniya sel'skogo khozyaystva. 2. Nachal'nik veterinarnogo otdela (for Grigor'yev). 3. Zaveduyushchiy epizooticheskim otdelom oblastnoy vetbaklaboratorii (for Uteshev).

(Kursk Province--Tuberculosis in animals)

GLAZKOV, A.; IVANNIKOV, N.

Simple preparation of die-casting molds. Mashinostroitel'
no.11:32 N '62. (MIRA 15:12)
(Die casting—Equipment and supplies)

IVANNIKOV, O.V.

Cement raw materials. [Pratsi] Inst. geol. nauk AN URSR. Ser.
geol. rod. kor. kop. no.1:97-118 '63.

Sand for glass. Ibid.:128-140

(MIRA 18:6)

IVANNIKOV, P.; VERESHCHAGIN, I.

Role of collective farm trade in supplying the population
of Voronezh. Sov.torg. no.6:27-29 Je '57. (MLRA 10:8)
(Voronezh--Commerce)
(Collective farms)

IVANNIKOV, P.

We fulfill our obligations. Sov.torg. 33 no.2:28-31
F '60. (MIRA 15:5)

1. Nachal'nik oblastnogo upravleniya trgovli, Voronezh.
(Voronezh Province--Retail trade)

PROSKURNIN, V.P., inzh.; PERESELENTSEV, I.F., inzh.; BAYEV, I.F., inzh.;
IVANNIKOV, P.N., inzh.

Study of the characteristics of paper condensers saturated
with chlorinated liquids. Elektrotehnika 36 no.8:18-21
Ag '64. (MIRA 17:9)

Preparation and study of the tanning extract from *Rheum tataricum* seeds. I.
IVANNIKOV. *Vestnik Kuzbasskoi Prom. Torgov.* 1929, 510-7; *Chem. Zvezd.* 1930, 11,
3094.—Tanning expts. with the exts. on sole leather were satisfactory. A. B.

ASB-SEA METALLURGICAL LITERATURE CLASSIFICATION

The effect of ignition temperature on the catalytic activity of zinc oxide. P. X. Lyandlov, A. V. Frost and M. I. Shapirin. *Compt. rend. acad. sci. P. R. S. S. U. S. S. R.* 1933, 124-6 (in German 126).—The activity of ZnO as catalyst for the decompn. of MeOH vapor decreased sharply with rise in ignition temp. of the hydrate from which the ZnO was formed. The hexagonal lattice remained unchanged between 110° and 1300° and had the following parameters: $a = 3.248 \pm 0.002$ A. U.; $c/a = 1.002 \pm 0.002$. The size of the crystallites remained unchanged from 110° to 500°; a rapid increase began at 770°. A comparison of the changes in activity and crystal size showed that the decrease in activity began sooner and proceeded more rapidly than the decrease in surface caused by sintering.

Louise Kelley

10

Preparing formaldehyde by dehydrogenation of methanol. P. V. Varshavskiy and A. V. Zherko. *J. Applied Chem.* (U. S. S. R.) 6, 1148-52 (1953). According to the expts. described, insignificant amts. of HCHO and large quantities of HCO_2Me were always obtained when a Cu catalyst (10-18 g.) was used with promoters such as various amts. of Ce (0.02, 0.1 and 0.5%) washed by various methods, dried and reduced, and the MeOH was passed at various velocities through the catalyst heated to 185°, 195° and 225°. The statement of Ghosh and Baku (C. A. 21, 2340) that "the problem of a catalyst for a continuous dehydrogenation of MeOH to HCHO is solved by using ThO_2 as promoter; . . . still better results are obtained with CeO_2 " is questioned. I. and Z. state that the presence of HCHO can be proved only by direct and not by gas analysis. Since HCHO was found only in traces, it is concluded that the above problem has not yet been solved. A. A. Hochtling

ASB-SLA DETAILLPGICAL LITERATURE CLASSIFICATION

Structure and genesis of methanol catalysts. A. V. Frost, P. Ya. Ivanukov, M. I. Shapiro and M. N. Zolotov. *J. Inorg. Phys. Chem.* **1**, 311-320 (1970).
With various Zn-Cu catalysts under the expl. conditions of Frost *et al.* (cf. 23, 1342), the compn. of the reaction products changed at 300° as observed by them. At 305° and 310° the compn. of the products was quite different. The activity of the catalysts decreased only very slowly. Lattice dimensions did not change with the compn. of the catalyst, $a = 5.108 \pm 0.001$ Å and $c = 1.092 \pm 0.002$ Å. Microscopic and x-ray detn. of various preps. of ZnO showed that the crystal size changed from 0.8 x 10⁻⁵ cm to 1.5 x 10⁻⁵ cm on changing the 4 hr. annealing temp. from 110° to 130°, and that the adsorptive capacity toward methylene blue was approx. inversely proportional to the crystal size, while the catalytic activity fell still more rapidly. A study of ZnO.Cr₂O₃ catalysts in the ratios 1:2, 1 and 1:1 (wt. based, resp.) by joint pptn. and by simple mixing, showed that the size of the crystal of the 1st was always about 1/2 that of pure ZnO crystals, while the latter always gave the same size, as for pure Cr₂O₃ on annealing at any temp. above 110°. X-ray analysis showed spiral formation. The catalytic activity decreased rapidly

as the annealing temp. was raised with ZnO, 1:2 ZnO.Cr₂O₃ and ZnO.Cr₂O₃ but was const. for pure Cr₂O₃ except above 300°. For a given treatment 1:2 ZnO.Cr₂O₃ was always more active catalytically, as measured by MeOH decompn., than pure ZnO. The greatest difference was obtained about 100° below the temp. of rapid spiral formation and was attributed to the production of distortions or "tackensstellen" later stabilized into the crystal.
I. H. Rathmann

ASB 51.8 METALLURGICAL LITERATURE CLASSIFICATION

47

PRECEDENCE AND PROPERTIES INDEX

9

An Apparatus for the Volumetric Determination of Aluminium. P. Ya Ivanpikov. (Zavodskaya Lab., 1934, 8, 865; C. Aba., 1935, 20, 645).-- [In Russian.] The determination of Al in pure and alloyed Al is based on the reaction $2Al + 2KOH + 2H_2O = 2KAlO_2 + 3H_2$, and is performed in a specially designed apparatus.--R, U.

ASM-AIA METALLURGICAL LITERATURE CLASSIFICATION

1930-1934

1935-1939

1940-1944

1945-1949

1950-1954

1955-1959

1960-1964

1965-1969

1970-1974

1975-1979

1980-1984

1985-1989

1990-1994

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2010-2014

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2100-2104

2105-2109

2110-2114

2115-2119

2120-2124

2125-2129

2130-2134

2135-2139

2140-2144

2145-2149

2150-2154

2155-2159

2160-2164

2165-2169

2170-2174

2175-2179

2180-2184

2185-2189

2190-2194

2195-2199

2200-2204

2205-2209

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2240-2244

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2250-2254

2255-2259

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The chemical equilibria of reactions between hydrocarbons, C_nH_m , C_nH_{2n+2} , C_nH_{2n} , C_nH_{2n-2} , and C_nH_{2n-4} . The reactions $C_nH_m = C_nH_{2n+2} + H_2$ and $C_nH_m = C_nH_{2n} + H_2$. A. A. Vvedenskii and P. Ya. Ivennikov, J. Gen. Chem. (U. S. S. R.) 4, 975-8 (1934); cf. C. A. B. 67417^{1,2}. Lewis W. Butz

BC

2-1

Catalytic decomposition of alcohols. P. J. IVANILLOV and E. J. GAVRILOVA (J. Chem. Ind. Russ., 1958, 12, 1259--1260).—The process of catalytic ($\text{CaO} + 0.1\% \text{ThO}_2$) conversion of EtOH (I) into EtOAc (II) at 250–450° (optimum 350°) consists of the reactions (I) \rightarrow MeCHO (III) + H_2 ; 2(III) \rightarrow (II); (III) + 2(I) \rightarrow $\text{CH}_3\text{C}(\text{OEt})_2$ (IV) + H_2O ; (II) + $\text{H}_2\text{O} \rightleftharpoons$ (I) + AcOH (V); (III) + $\text{H}_2\text{O} \rightarrow$ (V) + H_2 ; (IV) + (V) \rightarrow (II) + (I) + (III). Production of (II) through the intermediary of (IV) is the dominant reaction at 300–350°. The reactions take place at the catalytic surface, and not in the vapour phase. R. T.

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

12041 57103104

101080 417 041 021

011110101

11041 020104

0111101 041 041 111

1ST AND 2ND CIPHERS										PROCESS AND PREPARATION										3RD AND 4TH CIPHERS									
<p><i>ca</i> 18</p> <p>Copper catalyst. P. Ya. Izrael and E. Ya. Gavrilova. Russ. 46,240, March 31, 1950. A Cu catalyst is prepd. by reduction by H₂ with U as a promoter of CuO prepd. by the action of alkali on a soln. of Cu(OAc)₂ contg. U acetate or nitrate.</p>																													
<p>ASB. SLA METALLURGICAL LITERATURE CLASSIFICATION</p>																													
<p>10-1385-04</p>																													

The question of the effect of carriers on catalysts. P. Ya. Znamnikov. *J. Gen. Chem.* (U. S. S. R.) 6, 1462-9 (1936).—Repetition of the expt. work of Adadurov and Krasul (C. A. 27, 2067) on the conversion at elevated temp. of EtOH to AcH by Cu deposited on charcoal leads to the conclusion that A. and K. were dealing with un-

stable catalysts and consequently their assumption that the carrier is responsible for the variation in the heat of activation of the catalyst on varying the at. ratios Cu:C lacks proof. Twenty-three references. J. L.

C

PROCESSES AND PROPERTIES INDEX

OBTAINING METHYL ETHYL KETONE BY DEHYDROGENATION OF
SEC-BUTYL ALCOHOL. P. Ya. Ivanovich, M. G. Tatarskaya
and E. Va. Gavrilova. *Soviet. Khimik* (U.S.S.R.)
1934, No. 9, 16-18; cf. C. A. 30, 418P.—The sec-BuOH
was run, at the velocity of 24–48 cc./hr., over an U-promo-
ted Cu catalyst at 350–400°. The yield of MeCOEt
was 70–84% (in the condensate). The resulting gases
contained 1.1% CO₂ and 98.9% H₂. Before the catalyst
was used it was reduced with MeOH at 90–200° and was
not poisoned after 10 hrs. of use. A. Pestoff

A.S.M.-S.A. METALLURGICAL LITERATURE CLASSIFICATION

BASIC SYMBOLISM BASIC NOTATION BASIC UNIT DESIGNATIONS

LONDON NEW YORK WASHINGTON

DISTRICT OFFICES:

PATENT OFFICE TECHNICAL BUREAU RESEARCH INSTITUTE

MATERIALS INDEX COMMON ELEMENTS COMMON VARIABLE INDEX

C

ESTABLISHED BY THE
PRESIDENT AND PROPERTIES ...

Ethyl acetate. P. Ya. Iyannikov. Russ. 51,120,
Sept. 30, 1937. A mixt. of vapors of C₂H₅OH and AcH
is passed over a Cu catalyst activated with U.

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ASAC SEA METALLURGICAL LITERATURE CLASSIFICATION

Copper catalyst for esterification of alcohols. P. Ya.

Ivannikov, Russ. 51,786, Aug. 31, 1939. A mixt. of Cr_2O_3 and an activator, e. g., U or Al oxide, is subjected to a pressure in excess of 3000 kg. per sq. cm.

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

Obtaining butyl butyrate from butanol by catalytic esterification without acid. P. Ya. Ivanukov, M. Tsygankova and B. Ya. Gavrilova. *Org. Chem. Ind. (U.S.S.R.)* 5, 23-41 (1968); cf. *C. A.* 30, 7589; 31, 6192. A condensate contg. 72% EtCO_2Bu and pure II were obtained by passing EtOH over BuOH of the CuI catalyst at 240-300° and a velocity of 30 cm/hr. The catalyst was previously used continuously for 9 hrs. in the esterification of EtOH at 240°. It showed no signs of deactivation after use for a month. Chas. Blanc

450-55A METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND ORDERS																									
PROCESSES AND PROPERTIES INDEX																									
<p>Investigation of the copper-uranium catalyst for the esterification of ethyl alcohol without acid in a large scale apparatus. P. Ya. Ivannikov and R. Ya. Gavrilov. <i>J. Applied Chem. (U. S. S. R.)</i> 11, 981 3 (in French 983) (1938); cf. <i>C. A.</i> 30, 7639^a.--The previously described expt. was repeated on a large scale. The Cu-U catalyst used for the esterification of EtOH (continued operation--1100 hrs.) at 200-220° was found to be very stable and efficient. The efficiency of the catalyst depended on the temp. and the velocity of introduction of the EtOH. Simultaneously with EtOAc, the formation of AcH, AcOH and 95-98% of H₂ was observed. A. A. Podgorov</p>																									
<p>ASA-SLA METALLURGICAL LITERATURE CLASSIFICATION</p>																									
<p>1ST AND 2ND ORDERS</p>																									

PROCESS AND PROPERTIES INDEX

10

P.A.

Compos Elements
OPEN SHEETS
MATERIALS INDEX

Pressed catalysts. P. Ivanikov. J. Gen. Chem.
(U.S.S.R.) 9, 179-7(1939). -- It is said that highly active
and mechanically strong solid catalysts can be obtained
from nonfusible or thermally unstable oxides by pressing
the powd. dry ppts. at room temp. and 3000-30,000
kg./sq. cm. Microscopic and x-ray exams. showed that
the highly dispersed state of the pptd. catalysts is but
little affected by this treatment. In the catalytic esterifi-
cation of EtOH at 200-350° a greater yield of AcOEt and
a lower yield of AcOH were obtained with the compressed
contact mixt. of CuO/Pb, Al₂O₃, TiO₂ and FeO, 2.4 parts than
with the loose catalyst.

Chas. Blanc

AISI-SAE METALLURGICAL LITERATURE CLASSIFICATION

SOURCE # SOURCE REF ORG CODE DISTRICT

DISTRICT ONE DIVISION TWO

<p>BC</p>		<p>B-D-1</p>	
<p>Estereificación de alcoholes primarios sin el uso de ácidos. E. YANIKOV (J. Appl. Chem. Russ., 1940, 43, 118-121).—Esters are obtained in 56-65% yield by passing primary alcohols (ROH; R = Et, n-Bu, n-Pn, and n-C₁₁H₂₃) over Cu-U catalyst at 220-310°. When binary mixtures (CH₃P-OH + CH₃R'-OH) are employed, all four possible esters are obtained, $\text{CH}_3\text{COOCH}_2\text{R}'$, $\text{R}'\text{COOCH}_2\text{R}'$, $\text{R}'\text{COOCH}_2\text{CH}_3$, and $\text{CH}_3\text{COOCH}_2\text{CH}_3$. R. T.</p>			
<p>ASAC-SLA METALLURGICAL LITERATURE CLASSIFICATION</p>			
<p>12345678910111213141516171819202122232425262728293031323334353637383940414243444546474849505152535455565758596061626364656667686970717273747576777879808182838485868788899091929394959697989900</p>		<p>12345678910111213141516171819202122232425262728293031323334353637383940414243444546474849505152535455565758596061626364656667686970717273747576777879808182838485868788899091929394959697989900</p>	

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200

201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300

301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400

401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500

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601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700

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REACTION OF ACID-LESS ESTERIFICATION OF ALCOHOLS AT LOW TEMPERATURES. P. Ya. Ivanikov (Leningrad High Pressure Inst.). *J. Gen. Chem. (U.S.S.R.)* 17, 1103-4 (1947) (in Russian).—The reaction $4RCH_2OH + 4R'CH_2OH \rightarrow RCO_2CH_2R + R'CO_2CH_2R + RCO_2CH_2R' + R'CO_2CH_2R + 8H_2$ can proceed at temps. below 200° when an active Cu-promoted catalyst and low velocities (40–60 cc. alk. per hr. per l. catalyst) are used. The gas is almost pure H_2 and its amt. corresponds closely to theoretical. The following % conversions to esters were observed for the various alcs.: $EtOH$, 25% at 140°, 45% at 160°, 56% at 180°, and 65% at 200°; $PrOH$, 43% at 180° and 64% at 200°; $BuOH$, 70% at 180° and 76% at 200°; $iso-AmOH$, 73% at 200°. No data are given as to the prepn. and compn. of the catalyst used, but reference is made to more detailed discussion in I.'s dissertation "Studies in the acid-less catalytic esterification of alcs.," Leningrad Chem. Tech. Inst. 1939; cf. *C.A.* 33, 1050°; 34, 7847°.

G. M. Kosolapoff

ASAC-SLA METALLURGICAL LITERATURE CLASSIFICATION

CA

Thermodynamics of the dehydration of alcohols - the
equilibrium of the reaction: $2C_2H_5OH \rightleftharpoons CH_3COOC_2H_5 +$
2H₂. A. A. Vvedenskii, P. Ya. Ivannikov, and V. A.
Nekrasova (Leningrad Inst. High Pressures). J. Gen.
Chem. U.S.S.R. 18, 1087-92 (1949) (Engl. translation).--
See C.A. 43, 8347b. H. J. C.

1ST AND 2ND QUARTERS

PROCESSES AND PROPERTIES INDEX

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CA

Thermodynamics of the dehydrogenation reactions of alcohols. The equilibrium $2C_2H_5OH \rightleftharpoons CH_3COOC_2H_5 + 2H_2$. A. A. Vredenskii, P. Ya. Ivannikov, and V. A. Nekrasova. *Zhur. Obshch. Khim.* (J. Gen. Chem.) 19, 1004-1100 (1949).—From data of the equil. compn. between 181 and 201.5°, K_p (av.) = 1.075 and 1.703, at 181° and 201.5°, resp. Hence, $\Delta H^\circ = -9620$ cal./mole, and $\log K_p = -(9620/4.57 T) + 4.101$. With the aid of the heat-capacity equations, for H_2 , $C_p^\circ = 0.711 + 0.0012774 T + 0.000001056 T^2$; for $AcOH$, $C_p^\circ = 2.27 + 0.00000086 T^2$; and for $EtOH$, $C_p^\circ = 5.5650 + 0.0000001639 T^2$, one finds $\Delta H^\circ = \Delta H_f^\circ + 4.627 T - 0.0000426 T^2 + 0.000007704 T^3$. Hence, with the expl. $\Delta H^\circ = 9620$ cal. at the mean temp. 404.3°K., $\Delta H_f^\circ = 7863$ and $\Delta H_{f,298}^\circ = 9063$ cal./mole, and $\log K_p = (1070.7/T) + 2.33 \log T - 0.0002001 T + 0.00000004 (1070.7/T) + 2.33 \log T$. The heat of formation of $AcOH$ from the elements in the standard state, ΔC (graphite) + H_2 (gas) + $1/2 O_2$ (gas) $\rightarrow AcOH$ (gas), is $\Delta H_{f,298}^\circ = -101,144$ cal./mole, and the free energy $\Delta F_{f,298}^\circ = -70,800$ cal./mole; the standard entropy of $AcOH$, $S_{f,298}^\circ = 90.11$ cal./mole/degree. The latter value is at variance with Parks and Huffman's $S_{f,298}^\circ = 62.0$, which corresponds to $S_{f,298}^\circ = 87.07$, and leads to $\log K_p$ values inconsistent with those detd. experimentally. N. Thon

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2

IVANNIKOV, S.G., kand.sel'skokhozyaystvennykh nauk

Changing the nature of certain solanaceous and leguminous plants
through vegetative hybridization. Trudy Kish. sel'khoz. inst.
3:195-207 '55. (MIRA 11:7)
(Nightshade) (Beans) (Grafting)

Country : USSR
Category : Cultivated Plants. Potatoes. Vegetables. Melons. M

Abs Jour : RZhBiol., No 6, 1959, No 24896

Author : Ivannikov, S. G.
Inst : Tiraspol' State Pedagogical Institute.
Title : Grafting among the Wild Species of the Solanaceous Family.
Orig Pub : Uch. zap. Tiraspol'skiy gos. ped. in-t, 1957, vyp. 4, 79-84

Abstract : Out of 78 graftings of cherry-like tomatoes on the red nightshade, large fruits were obtained only on one cluster (2.6 g in place of 1 g). In F_1 and F_2 , the fruits attained a weight of 6.9, 9.6, 16.6, 23.3, and 24.9 g. They were of a round and flat shape, and their chamber capacity increased from 2 to 5-6 and 8-13. Fe_2 was characterized by a great variety of shapes. -- I. P. Pavlov

Card : 1/1

IVANNIKOV, S.G.

Works on the mentor effect of alien pollen on self-fertilization in corn. Nauch.dokl.vys.shkoly: biol.nauki no.4:201-205 '60. (MIRA 13:11)

1. Rekomendovana kafedroy botaniki Tiraspol'skogo pedagogicheskogo instituta.

(CORN BREEDING)

NIKOLAYEVA, N. G.; IVANNIKOV, S. G.

Change in the grains of corn under the influence of increased
doses of 2,4-D. Uch. zap. Tir. gos. ped. inst. no. 9:201-205
'60. (MIRA 16:1)

(Corn(Maize)) (2,4-D)

IVANNIKOV, S.G., kand.sel'skokhozyaystvennykh nauk

Effect of sunflower pollen on the fertilization of corn in
self-pollination. Agrobiologiya no.4:623-624 J1-Ag '61.
(MIRA 14:7)

1. Tiraspol'skiy gosudarstvennyy pedagogicheskiy institut,
Tiraspol'.

(Fertilization of plants) (Corn breeding)

IVANNIKOV, S.G., kand.sel'skokhozyaystvennykh nauk

Second flowering of an annual. Priroda 50 no.4:115-116 Ap '61.
(MIRA 14:4)

1. Biologicheskaya stantsiya Tiraspol'skogo pedagogicheskogo
instituta.

(Plants, Flowering of) (Chick-pea)

IVANNIKOV, S.G., kand.sel'skokhoz.nauk

Proliferation of the inflorescence of the sunflower. Priroda
51 no.5:60 My '62. (MIRA 15:5)

1. Biologicheskaya stantsiya Tiraspol'skogo pedagogicheskogo
instituta.

(Sunflowers) (Proliferation)

IVANNIKOV, S. P. Cand Agr Sci -- (diss) "Selection of forest-steppe ^{grown} aspens
~~on the basis of speed~~
~~according to the rate~~ of growth, rot resistance, and quality of wood." Mos, 1956.
16 pp 21 cm. (Min of Higher Education. Mos Forestry Engineering Inst), 110 copies
(KL, 15-57, 106)

AMUCHIN, N.P., prof., otv. red.; BLAGOVEDAYA, M.M., red.;
DERYABIN, D.I., kand. sel'khoz. nauk, red.; ZHELEZNIKOV,
G.F., kand. sel'khoz. nauk, red.; IVANNIKOV, S.P., kand.
sel'khoz. nauk, red.; IVANOV, G.G., red.; LARYUKHIN, G.A.,
kand. tekhn. nauk, red.; LOSITSKIY, K.B., doktor sel'khoz.
nauk, zam. otv. red.; MIRONOV, V.V., kand. sel'khoz. nauk,
red.; RODIONOV, A.Ya., kand. sel'khoz. nauk, red.;
TRUENIKOV, M.M., kand. ekon. nauk, red.; CHEVEDAYEV, A.A.,
kand. sel'khoz. nauk, red.; SHURAKOV, V.S., kand. sel'khoz.
nauk, red.; YURGEISON, P.B., doktor biol. nauk, red.; TROPIN,
I.V., kand. sel'khoz. nauk, red.

[Studying the performance of new machinery in silvicultural
work; scientific papers] Issledovanie rabochikh protsessov
novykh mashin na lesokul'turnykh rabotakh; nauchnye trudy.
Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 111 p.

(MIRA 17:7)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut
lesovodstva i mekhanizatsii lesnogo khozyaystva.

DMITRIYEV, Yu.V.; MAZUROV, I.V.; IVANNIKOV, V.I.

Electrolytic polishing and electrolytic peening of SAP (sintered aluminum powder). Zav.lab. 30 no.3:316 '64. (MIRA 17:4)

1. Moskovskiy aviatsionnyy tekhnologicheskij institut.

MAKHLIN, Z., inzh. (Leningrad); SHNEYDER, V. (g. Anzhero-Sudzhensk,
Kemerovskoy oblasti); IVANNIKOV, V., inzh. (Novosibirsk);
PEKELIS, G., inzh. (Leningrad); KIRYUSHIN, N., inzh. (Krasnodar)

Suggested, created, introduced. Izobr. i rats. no.7:20-21 J1 '61.
(MIRA 14:6)

1. Zamestitel' predsedatelya soveta Vsesoyuznogo obshchestva
izobretateley i ratsionalizatorov obogatitel'noy fabрики 9-15
(for Shneyder).

(Technological innovations)

FILIPSKIY, A.A., inzh.; IVANNIKOV, V.D., inzh.; BURUMENSKIY, N.D., inzh.

Semiautomatic welding with a powder wire at a construction site.
Svar. proizv. no.8:31 Ag '64. (MIRA 17:9)

1. Dnepropetrovskoye stroitel'noye upravleniye No.460 tresta "Ukrenergochermet" (for Filipskikh, Ivannikov).
2. Trest "Ukrenergochermet" (for Burumenskiy).

IVANNIKOV, V. F.

USSR/Agriculture - Fertilization

Card 1/1 : Pub. 77, 20/26

Authors : Yakushkin, I. V., Active Mem. of the Lenin Agri. Acad.; and Ivannikov, V. F., Aspirant to the chair of plant culture, Tshiriyazev Acad.

Title : Feeding grain plants by air

Periodical : Nauka i zhizn' 21/7, 38, July 1954

Abstract : It is found that plants, especially grain, can be "fed" by sprinkling chemicals on the stalks as well as by embedding them in the soil to be absorbed by the roots. Successful work of this kind has been done by the use of an airplane. Figures of results obtained with various kinds of grain are presented. Illustration.

Institution : ...

Submitted : ...

IVANNIKOV, V.F., nauchnyy sotr.; PAKHOMOV, A.Ya., nauchnyy sotr.; UCHAYKIN, V.D., nauchnyy sotr.; FOMIN, I.P., nauchnyy sotr.; TIMOFEYEV, D.T., nauchnyy sotr.; TRET'YAKOV, G.P., red.; SEMENCHUK, S.I., red.; YASHCHEN'KINA, Ye.A., tekhn. red.

[Improve cultivation practices and increase sugar beet yields] So-
vershenstvovat' agrotekhniku, povyshat' urozhai sakharnoi svekly.
Kuibyshev, Kuibyshevskoe knizhnoe izd-vo, 1960. 52 p.

(MIRA 14:10)

1. Kinel'skaya selektsionnaya stantsiya Kuibyshevskogo sel'sko-
khozyaystvennogo instituta (for Ivannikov, Pakhomov, Uchaykin, Fo-
min, Timofeyev)

(Sugar beets)

IVANNIKOV, V.F.; GLUKHOVTSEVA, N.I.

Parent material for spring wheat breeding at the Kinel' Station.

Agrobiologiya no.6:835-839 N-D '65.

(MIRA 18:12)

1. Kuybyshevskiy sel'skokhozyaystvennyy institut, kafedra
selektzii i semenovodstva.

ACCESSION NR: AP4020047

S/0032/64/030/003/0316/0316

AUTHORS: Dmitriyev, Yu. V.; Mazurov, I. V.; Ivannikov, V. I.

TITLE: Electrical polishing and etching of SAP [sintered aluminum powder]

SOURCE: Zavodskaya laboratoriya, v. 30, no. 3, 1964, 316

TOPIC TAGS: aluminum powder, sintered aluminum powder, electrical polishing, electrical etching, structure, SAP

ABSTRACT: Electrical polishing followed by electrical etching was used to disclose the structure of sintered aluminum powder. Electrical polishing was accomplished by removing a mechanically deformed layer by anodic decomposition until the surface of the metal was smooth and free of structural distortions. The electrolyte consisted of H_3PO_4 (1.7), 300 ml; H_2SO_4 (1.8), 100 ml; CrO_3 , 40 g; and H_2O , 40 ml. A current of 80-100 amp/dm² was used, and the solution was stirred throughout the process. The work was considered finished when a microscopic examination showed the surface to be sufficiently smooth. Etching was accomplished in the same solution but with a current of 10-15 amp/dm². The polished plate was then washed

Card 1/2

ACCESSION NR: AP4020047

with warm water, fixed in concentrated HNO_3 , and chilled in cold water. Orig. art. has: 2 microphotographs.

ASSOCIATION: Moskovskiy aviatsionnyy tekhnologicheskoy institut (Moscow Institute of Aviation Technology)

SUBMITTED: 00

DATE ACQ: 27Mar64

ENCL: 00

SUB CODE: ML

NO REF SOV: 000

OTHER: 000

Card 2/2

ACC NR: AP7000621 (A, V) SOURCE CODE: UR/0413/66/000/023/01 0/0138

INVENTOR: Pogibko, M. G.; Kaplanets, Yu. N.; Ivannikov, V. K.

ORG: None

TITLE: A device for checking, signalling and controlling the temperature of liquid and gaseous explosive media. Class 74, No. 189333 [announced by the Donetsk Scientific Research and Design Institute for Automation of Mining Machinery (Donetskiy nauchno-issledovatel'skiy i proyektnyy institut avtomatizatsii gornykh mashin)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 23, 1966, 138

TOPIC TAGS: temperature control, temperature measurement, explosive, electronic measurement

ABSTRACT: This Author's Certificate introduces a device for checking, signalling and controlling the temperature of liquid and gaseous explosive media. The unit contains a sensing element in the form of a set of thermistors, each of which is connected to one of the arms of an unbalanced bridge. The device also contains sparkless non-contact relays with transistorized blocking generators, a power supply and a meter. The design provides for high sensitivity and fairly strong control signals with relay characteristics. These signals may be used for direct control of actuating mechanisms. The transistors, which act as nonlinear resistors, have their inputs connected to unbalanced bridges while their outputs are connected to the relay control windings which serve for both starting and stopping.

SUB CODE: 19.09/ SUBM DATE: 29Oct62

Card 1/1

UDC: 536.537.082.64

0930

2739

IVANNIKOV, Ye. (g.Moskva)

Consult the key workers. Okhr.truda i sots. strakh. no.5:67
My '59. (MIRA 12:9)

1. Inzhener po tekhnike bezopasnosti Krasnoprosenenskogo
tramvaynogo dela.
(Industrial hygiene)

USSR/Zooparasitology. Ticks and Insects in Disease Vectors.
Mites.

G

Abs Jour: Ref Zhur-Biol., No 17, 1958, 77036.

Author : Ivannikova, A.A.

Inst : Iz Tsentral'nogo Desinfektsionnogo Instituta

Title : The Acaricide Substances Chlordane and Heptachlor.

Orig Pub: Zh. mikrobiol., epidemiol. i immunobiologii, 1957,
No 6, 126-130.

Abstract: During the application of 10% dusts at 0.5 g/m^2
(per effective substance) on wood and glass sur-
faces, starved larvae of Ixodes persulcatus perished
in 24 hours with a 5-minute exposure to DDT and heptachlor
(I) at 97-100% and to chlordane (II) at 70-91%. Filled
larvae perished completely in 24 hours from all three
preparations after only hourly exposures. Starved nymphs

Card : 1/2

24

LIBR / General and Specialized Zoology. Insects. Harmful Insects and Acarids. Chemical Methods in the Control of Harmful Insects and Acarids. P

Abs Jour : Ref Zhur - Biol., No 18, 1956, No. 32930

Author : Ivannikova, A. A.
Inst : Central Scientific Research Institute for Disinfectants
Title : Insecticide Properties of Chlordane and Heptachlor

Orig Pub : Tr. Tsentr. n.-i. dezinfekts. in-ta, 1957, vyp. 10, 205-210

Abstract : No abstract given

Card 1/1

APPROVED FOR RELEASE: 08/10/2001 and CIA-RDP86-00513R000619010013-0
of Pathogenic Agents. Insects.

Abs Jour: Ref Zhur-Biol., No 6, 1959, 24315.

Author : Ivannikova, A. A., Karavashkova, A. I.
Inst : Not given.
Title : An Experiment in Utilizing Chlordane in Fly Control.

Orig Pub: Med. parazitol. i parazitarn. bolezni, 1957, 26, No 6, 733-736.

Abstract: According to the mechanism of its action, chlordane (Ch) is a contact-fumigational insecticide. In volatility, it yields somewhat to hexachlorocyclohexane and is considerably superior to DDT. Ch is applicable in adult fly control for treatment of surfaces only outside inhabited rooms, from a calculation of 2-3 g/m² of the active sub-

Card 1/2

*Cent. Sci Res Disinfection Inst.
Moscow Disinfection Station*

USSR / Zooparasitology. Acarina and Insects. Vectors G
of Pathogenic Agents. Insects.

Abs Jour: Ref Zhur-Biol., No 6, 1959, 24315.

Abstract: stance. Applied to the surface, Ch loses its toxic properties after 10-15 days. Upon applying Ch on inside surfaces of sanitary installations, after 4 hours 82% of the flies perished, and after 10 days, 34%. Ch possesses considerable larvicidal properties. On a sector with daily treatment of the content of garbage cans and the soil around them (100 g/m² of 10% dust or 200-500 ml/m² of 2-5% emulsion of Ch), the number of flies decreased, in July by 10, in August by 20 times. The best effect of Ch is assured by its simultaneous application against flies as well as against larvae. -- A. P. Adrianov.

Card 2/2

52

IV KHIKOVA, A.A., Cand Bio Sci—(diss) "Insecticide and acaricide
properties of chlordan and heptachlorine in regard to certain arthro-
pods --carriers of diseases of humans." Nov, 1958. 28 pp (Acad Med Sci
USSR), 200 copies (K,45-58,145)

- 54 -

IVANNIKOVA, A. A., SHMAYDER, YE. V.

"Inaecticide properties of chlordan, heptachlorine, diazinone
and chlorophos."

report submitted at the 13th All-Union Congress of Hygienists, Epidemiologists
and Infectionists, 1959.

IVANNIKOVA, I.M.

Comparison study of some physical properties of linen, cotton,
and rayon staple fabrics affecting their hygienic characteristics.
Izv. vys. ucheb. zav.; tekhn. tekst. prom. no.4:23-29 '65.

(MIRA 18:9)

1. Tsentral'nyy nauchno-issledovatel'skiy institut promyshlennosti
lubyanykh volokon.

KIRILOVA, G.N.; IVANHIKOVA, L.B.; RADCHENKO, G.O.

Synthesis of cellulose acetoacetate. Zhur. prikl. khim. 37
no.12:2701 D '64. (MIPA 18:3)

1. VANDUKOTA, P. N.

Chemical Abst.
Vol. 48 No: 6
Mar. 25, 1954
Foods

The use of radiant energy for the drying of highly hydrated food biocolloids. N. A. Izraelson. *Ukrain. Khim. Zhur.* 16, No. 5, 509-87 (1950) (in Russian). --When infrared radiation is used to dry foods (e.g., bread), the sample reaches a higher temp. and reaches it more quickly than when convection drying is used. In infrared drying, the area of max. temp. is located approx. 3 mm. below the surface, so that thermal and concentrational diffusion join forces near the surface to expel moisture from the sample. In convection drying, these 2 types of diffusion act in opposite directions. To det. the H₂O content of bread, a 5-g. sample is suspended from the pan of a balance and immersed in vegetable oil to prevent oxidation. It is then irradiated with 2 infrared lamps for 3 min. and its loss in wt. detd. Results agree with drying-oven results to within 0.3%. Replacement of infrared lamps by hot-plates gives more uniform but slower heating.

Cyrus Feldman

6-16-54
RML

IVANNIKOVA, N. A.

Ivan-ikova, N. '.

"Investigation of the process of drying wheat for seed in order to determine the maximum permissible speed of drying." Joint Academic Council, All-Union Sci Res Inst of the Mechanization of Agriculture (VIM) and All-Union Sci Res Inst of the Electrification of Agriculture (VIESKh). Moscow, 1956.
(Dissertation for the Degree of Candidate in Technical Sciences).

SO: Knizhnaya letopis'

No. 25, 1956. Moscow

IVANNIKOVA, R. V.

Ivannikova, R. V. -- "Influence of Portland Cement on the Strength and Water Resistance of Certain Gypsum Cements." Min Higher Education USSR, Moscow Order of Labor Red Banner Engineering-Construction Inst imeni V. V. Kuybyshev, Moscow, 1955 (Dissertation for the Degree of Candidate in Technical Sciences)

SO: Knizhnaya Letopis', No 24, 11 June 1955, Moscow, Pages 91-104

VOLZHENSKIY, A., professor; IVANNIKOVA, R., inzhener

Gypsum cement and gypsum slag binding materials. Stroi. mat.
izdel. i konstr. 1 no.4:13-16 Ap'55. (MIRA 8:10)

1. Chlen-korrespondent Akademii arkhitektury SSSR (for Volzhenskiy)

(Gypsum) (Building materials)

KRISTAL'NYY, Vladimir Samoylovich; KITAYEV, V.Ye., retsenzent;
IVANNIKOVA, S.N., retsenzent; KUZNETSOV, S.N., otv. red.
OBRATSOVA, Ye.A., red.

[Electrician of long-distance telephone exchanges] Monter
mezhdugorodnoi telefonnoi stantsii. Moskva, Sviaz', 307 p.
(MIRA 17:9)

551 514/51-515.8
 5.8-246
 Levina, A. I. and Ivanovskaya, T. F. Meteorologicheskie uslovia v rabochikh pome-
 scheniyakh ekskavatorov, ~~U.S.S.R.~~ SSSR. [Meteorological conditions in worker's
 premises in excavators in Central U.S.S.R.] Gigiena i Sanitariya, Moscow, No. 6:14-16,
 June 1953. DLC—The meteorological conditions, namely air temperature and movement
 and relative humidity within the work cabin and the machine shop of excavating projects
 are described. The air temperature difference between interior and outside air varied with
 the excavations and did not exceed the official standards during the warm season. The
 relative humidity of the air varied between 31-63%, while the outdoor relative humidity
 ranged between 36 and 76%, the air movement near the work stands ranged between 0 and
 3.5 m/sec. The warmth sensations of the machinists and their helpers were different for the
 same air temperatures because of varying exposure to uncomfortable conditions. Methods
 of increasing comfort especially by means of air movement at place of work are suggested.
 Subject Headings: 1. Indoor climates. 2. Comfort climates. 3. Central U.S.S.R.—F.L.P.

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IL'INA, L.I.; IVANNIKOVA, T.N.

Studies on electric activity of the cerebral cortex in
hypertension. Tr. Akad. med. nauk SSSR, Vol.20:49-56
1952. (OIML 25:5)

1. Of the Pathophysiology Laboratory (Head -- S.V. Andreyev,
Doctor Medical Sciences), Institute of Therapy (Director --
A.L. Myasnikov, Active Member AMS USSR), Academy of Medical
Sciences USSR.

EXCERPTA MEDICA Sec. 6 Vol. 11/5 May 57

IVANNIKOVA, T. N.

3374. ILYINA L. I. and IVANNIKOVA T. N. *Changes in the electric potential of the human EEG synchronous with the cardiac rhythm (Russian text) TER. ARKH. 1955, 27/5 (37-45) Graphs 2 Tables 3

The finding of other workers as to the appearance in some EEG's of changes in potential synchronous with the heart rhythm is confirmed. A great number of EEG's were studied in normal individuals and in patients. In the former, the phenomenon was not observed except in some cases of doubtful cerebral integrity. It was recorded in 61% of the patients with hypertension. More detailed observations revealed some more important characteristics e.g. the incidence was directly proportional to the age and above all to the gravity of the hypertension. It was found that certain leads show 'discordant' voltages, i.e., with oscillations in the opposite direction, whereas they are 'concordant' in benign cases. The hypothesis is offered that it might be a mere spreading of the common ECG as is sometimes found in conditions of high voltage and great conductivity of the tissues. In this case, the discordance of the phenomenon would be a particular instance of the discordant ECG (high R1, deep S3). This hypothesis does not agree with the fact that in some normal and rheumatic individuals with ECG of high voltage the 'heart beat potential' (HBP) was not recorded. On the other hand, in some hypertensive patients with normal electric axis a HBP of the 'discordant' type was recorded, whereas in others with a strong deviation of the electric axis the superimposed potential was a 'concordant' one. It is assumed that the phenomenon described takes its origin in the pathological condition of the sclerosed cerebral blood vessels.

Levin - Buenos Aires (VI, 8)

IVANNIKOVA, T. N. Cand Biol Sci -- (diss) "Electroencephalographic [REDACTED]
examinations of hypertension patients during the action of various neutropic
substances." Mos, 1958. 16 pp (Acad Med Sci USSR), 200 copies (KL, 36-58,114)

-13-

IVANNIKOVA, T.N.

Electroencephalographic investigation of changes in the central nervous function in hypertension patients following the use of various neurotropic substances. Gip.bol. no.5:52-70 '58.

(MIRA 13:5)

(HYPERTENSION)

(CEREBRAL CORTEX)

IL'INA, L.I.; IVANNIKOVA, T.N. (Moskva)

Electrical activity of the cerebral cortex in patients with the cardial form of rheumatic fever. Vrach.delo no.6:591-596 Je '59.

(MIRA 12:12)

1. Institut terapii AMN SSSR (direktor instituta - deystvitel'nyy chlen AMN SSSR, prof. A.L. Myasnikov).

(ELECTROENCEPHALOGRAPHY)

(RHEUMATIC HEART DISEASE)

USSR Biology - Physiology

FD-2251

Card 1/1 Pub 17-2/20

Author : Kogan, A. B.; Ivannikova, T. V.

Title : Conditioned visual reflexes in cats having occipital lobes of cerebral hemispheres removed at an early age

Periodical : Byul. eksp. biol. i med. 3, 6-9, Mar 1955

Abstract : Investigated conditioned visual nutritive reflexes in a group of 24 cats and 2 puppies, half of which had the occipital lobes of the cerebral hemispheres removed at the age of 2-4 weeks. The other half of the group served as control. Also observed gross changes in cerebral hemispheres of experimental animals from 1 to 90 days after operation. Tables; photographs. Three references; all USSR, one since 1940.

Institution: Chair of Human and Animal Physiology (Head-Prof. A. B. Kogan) of the Rostov State University imeni V. M. Molotov

Submitted : April 6, 1954. Presented by Academician K. M. Bykov

IVANNIKOVA, T. V. Cand Biol Sci -- (diss) "On the functional and anatomic restoration of the cortical section of the visual analyzer after its removal at an early age." Rostov-on-Don, 1957. 11 pp (Rostov-on-Don State Univ. Chair of Physiology of Humans and Animals), 100 copies (KL, 3-58, 96)

USSR/Human and Animal Physiology (Normal and Pathological). T-12
Nervous System. Higher Nervous Activity. Behavior.

Abs Jour : Ref Zhur - Biol., No 11, 1958, 51326

Author : Ivannikova, T.V.

Inst : University of Rostov.

Title : Functional and Anatomic Restoration of Resected Cortical
Sections of the Visual Analyzer.

Orig Pub : Sb. stud. rabot. Rostovsk. un-t, 1957, vyp. 3, 83-102.

Abstract : Occipital lobes of the large hemispheres were removed in
kittens and puppies during their first month of life.
One to $1\frac{1}{2}$ months after the operation, visual conditioned
reflexes (CR) were produced in them as fast as in control
animals of the same litter. In operated kittens, differen-
tiations were produced as to the location of the lamp,
degree of illumination, shape of the objects. In these

Card 1/2

- 131 -

USSR/Human and Animal Physiology (Normal and Pathological).
Nervous System. Higher Nervous Activity.
Behavior.

Abs Jour: Ref Zhur-Biol., No 17, 1958, 80038.

Author : Ivannikova, T.V

Inst

Title : On the Plasticity of the Cortical Parts of the Visual
Analysor in the Early Period of Its Development.

Orig Pub: Uch. zap. Rostovsk.-n/D. un-t, 1957, 48, vyp. 1, 3-26.

Abstract: In 19 cats and 5 puppies (3-5 weeks), as well as in
three adult cats, occipital lobes (OL) were bilate-
rally removed. According to the rate of formations
and the stability of the formed food conditioned re-
flexes (CR) to light, according to the rapidity of

Card : 1/3

USSR/Human and Animal Physiology (Normal and Pathological).
Nervous System. Higher Nervous Activity.
Behavior.

T

Abs Jour: Ref Zhur-Biol., No 17, 1958, 80038.

formation and stability differentiations, according to the success of the alteration of the signal value of the stimulators in the cats and puppies operated on, reflexability was not lost. Along with the functional restoration of the fine forms of visual analysis, morphological restoration of the nervous structures of the cortical end of the visual analyzer were observed. After repeated operation of the removal of the OL in one kitten (6 months) and puppy (13 months), CR was preserved completely; the capacity to differentiate decreased, but everything was higher than in animals first operated on when adults. Clearly, compensation of functions in ani-

Card : 2/3

98

USSR/Human and Animal Physiology (Normal and Pathological).
Nervous System. Higher Nervous Activity.
Behavior.

T

Abs Jour: Ref Zhur-Biol., No 17, 1958, 80038.

imals undergoing operation at an early age occurred
both by means of restoration of the nucleus of the
analysor and by means of the training of its dif-
fused elements.

Card : 3/3

IVANNIKOVA, T.V.

Cortical compensation of functions of the visual analyzer. Fiziol.
zhur. 46 no.11:1314-1319 N '60. (MIRA 13:11)

1. From the Chair of Man and Animal Physiology, State University,
Rostov-on-Don.

(CEREBRAL CORTEX)

(REGENERATION (BIOLOGY))

(VISION)

IVANNIKOVA, T.V.

Possibility of the division of cortical neurons. Biul.eksp.
biol. i med. 55 no.1:93-96 Ja'63. (MIRA 16:7)

1. Iz laboratorii elektrofiziologii nervnoy deyatel'nosti
(zav. - prof. A.B.Kogan) Rostovskogo-na-Donu gosudarstvennogo
universiteta. Predstavlena deystvitel'nym chlenom AMN SSSR
N.A.Krayevskim.

(NEURONS) (CEREBRAL CORTEX—SURGERY)
(REGENERATION (BIOLOGY))

IYANNIKOVA, Ye-A.

C A

Investigation of the relation between the composition of flax and the ease with which it can be bleached. E. A. Iyannikova and S. K. Yakubenko. *L'no-Pen'ku-Pabulo-rugi Prom.* 8, No. 2, 32-7 (1939); *Chem. Zentr.* 1938, II, 1701. -Fibers with a high lignin content are compact, swell but little and are therefore more difficult to bleach and dye than fibers which contain but little lignin. No direct relation could be established between the chem. compn. of the raw and bleached spun yarn. In one type of flax (in the Rjev region), which is readily bleached, the raw fiber has a high Mn content (0.0054%) and it is assumed that the good bleaching action is due to the catalytic action of the Mn. M. G. Moore

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

COMMON PUBLICATIONS INDEX

1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
PROCESSIES AND PROPERTIES INDEX																			
VANNIKOVA, YE. N.										25									
<p>100</p> <p>The bleaching of linen fabrics in the Brendwood apparatus. B. A. Ivannikova. <i>L'no-Pen'ko-Dukhov. Pram.</i> 8, 37-42 (NOV., 1938); <i>Chem. Zentr.</i> 1939, II, 2393; cf. <i>C. A.</i> 34, 4015. Boiling and bleaching tests were made on linen fabrics in the Brendwood app. Methods of treatment and concn. of the bleaching liquors are given. Up to 80% of the nitrogenous materials were removed during the bleaching. The av. bleaching amounted to 47%; it varied by as much as 2% between the different layers on the spool. Weaving tests with yarn bleached in the Brendwood app. gave satisfactory results. The fabrics produced showed a bleaching action of 82% as indicated by a step photometer. The reduction in tensile strength as a result of bleaching was 22% for the warp and 20% for the weft. These losses in strength were due to the action of Fe salts formed by corrosion of the app.</p> <p>M. C. Moore</p>																			
<p>ASB-51A METALLURGICAL LITERATURE CLASSIFICATION</p> <p>FROM STEELING</p>										<p>FROM DIMELO</p> <p>001403 ON QW 141</p>									
<p>SECHOD 24</p> <p>10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100</p>										<p>SECHOD 24</p> <p>10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100</p>									

<p>IVANNIKOVA, YE. N.</p> <p>16</p> <p>25</p> <p>The bleaching of spun linen yarn on cross-spools. <i>Ye. N. Ivannikova. L'no-Pen'ka-Doklady. Protv. S.</i> <i>No. 8-9, 43-52(1938); Chem. Zentr. 1939, II, 1412.</i> Spun linen yarn was treated in a Gremker app. in a lab. and semitech. scale by heating 2 hrs. with a soln. contg. 2 g. NaOH per l., hot-washing 15 min., cold-washing 5 min., bleaching 1 hr. with hypochlorite (3.5 g./l.), cold-washing twice for 10-min. intervals, dechlorinating 30 min., hot- and cold-washing 10 min., after which the yarn was centri- fugal and dried for 10-14 hrs. The spools should be of equal size and the app. corrosion-resistant. (U. W. A)</p>																									
<p>ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION</p>																									

IVANIKOVA, Ye. A.

Card. Tech. Sci.

Dissertation: "Changes in the Chemical Composition of Flax Fiber in the Process of Mechanical and Chemical Treatment and Ways for Reconstruction of Linen Industry."
Moscow Textile Inst, 19 Jun 47.

SO: Vechernyaya Moskva, Jun, 1947 (Project #17836)

IVANOCIC, D.

2d Serbian Livestock Exhibition. p. 47 POLJOPRIVREDA.
(Društvo poljoprivrednih inženjera i tehničara NR Srbije)
Beograd. Vol 4, no. 1, Jan. 1956

SOURCE: East Europe Accessions Lists (EEAL),
Library of Congress, Vol. 5, no. 11, Nov. 1956

11/10/57
IVANOGIS, G.; ALFOLDI, L.; LOVAS, B.

Cultivation and electron microscopy of a bacteriocinogenic strain of *Bacillus megaterium*. Acta microb. hung. 4 no.3:295-308 1957.

1. Institute of Microbiology, Medical University, Szeged and Electron Microscopic Laboratory of the Hungarian Academy of Sciences, Budapest.

(*BACILLUS MEGATHERIUM*

bacteriocinogenic strain, cultivation, absence of phage form., megacin form. & electron microscopy)

(MICROSCOPY, ELECTRON

of bacteriocinogenic strain of *Bacillus megatherium*)

IVANOCIS, G.; ALFOLDI, L.; SZELL, A.

Serological types of *Bacillus megatherium* and their sensitivity to phages. Acta microb. hung. 4 no.3:333-351 1957.

1. Institute of Microbiology, Medical University, Szeged.

(*BACILLUS MEGATHERIUM*

serol. typing & phage sensitivity of various types)

(*BACTERIOPHAGE*

sensitivity of various serol. types of *Bacillus megatherium*)

SURNAME, Given Names

Country: Rumania

Academic Degrees:

Affiliation: -not given-

Source: Bucharest, Microbiologia, Parazitologia, Epidemiologia, Vol VI,
No 4, Jul-Aug 1961, pp 347-350.

Data: "Studies on the Duration of the Carrier State in Escherichia
coli, O 111, B₄ and O 55, B₅₅."

Authors:

IVANOF, A., -Dr.-

CIUPE, M., -Dr.-

IONESCU, N., -Dr.-

NEGRU, Madalena, -Dr.-

GPO 981643

62

IVANOF, A., dr.; SERBAN, Doina, biolog

Research concerning the relations between the fermentative properties and pathogenicity of staphylococci. Microbiologia (Bucur.) 10 no.4:319-326 J1-Ag '65.

1. Lucrare efectuata in Sectia de epidemiologie a Institutului de igiena si protectia muncii, Cluj.

PIRAU, T.; IVANOF, A.; SERBAN, Doina; BARNA, V.; TOLAN, L.; TECSA, D.; SIGHETI, I.

Research on the strain lysotypy of pathogen staphylococci isolated from a group of dark type children. Microbiologia (Bucur) 6 no.1:56-57 Ja-F '61.

1. Institutul de igiena, Cluj (for Pirau, Ivanof, Serban). 2. Casa copilului, Clum (for Barna, Tolan, Tecsca, Sigheti).

*

IVANOF, A.; BERGNER, E.; BUIA, C.

Modifications of the pharyngeal and intestinal aerobic microbial flora following antibiotic treatment of children; consecutive staphylococcal otic complications. Microbiologia (Bucur) 6 no.1:59-60 Ja-F '61.

1. Institutul de igiena, Cluj.

*

BADENSKI, Gh., prof.; BERGNER, Eva; BUIA, Claudia; IVANOF, A.

Experimental staphylococcal infection of the white mouse by the ocular way. Microbiologia (Bucur) 6 no.1:62-63 Ja-F '61.

IVANOF, A.; SERBAN, D.; BARNA, B.; TOLAN, L.; SIGHETI, I.; TECSA, D.; LANGHEL, I.

Study of the efficiency of vaccine and anatoxin preventive vaccination in staphylococcal infections. Microbiologia (Bucur) 6 no.1:66 Ja-F '61.

1. Institutul de igiena Cluj (for Ivanof, Serban). 2. Casa copilului Cluj (for Barna, Tolan, Sigheti, Tecsca). 3. Sanepidul regional Cluj (for Lenghel).

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YUGOSLAVIA/Organic Chemistry. Synthetic Organic Chemistry.

G

Abs Jour: Ref Zhur-Khimiya, No 22, 1958, 74023.

Author : Ivanoff, D.; Marecôff, N.

Inst : ~~university~~

Title : Preparation of Sodium α -Magnesyl- α -Toluene-sulfonate and Some Syntheses with Its Application.

Orig Pub: Croat. chem. acta, 1957, 29, No 3-4, 347-349.

Abstract: $C_6H_5CH_2SO_3H$ was converted into $C_6H_5CH(MgCl)SO_3Na$, with the application of which $(C_6H_5)_2C(OH)CH(C_6H_5)SO_3Na$ (II) and cyclo- $C_6H_7(OH)CH(C_6H_5)SO_3Na$ (III) were prepared of $C_6H_5COC_6H_5$ (I) and cyclohexanone correspondingly. It was shown on the example of II that α -oxysulfo acids also split at boiling (1 hour) with 10%-ual NaOH into I

Card : 1/2

BLAGOEV, B.; IVANOFF, D. [Ivanov, D.]

Preparation of the organomagnesium reagent of cyanoacetic acid.
Doklady BAN 16 nc.6:649-652 '63.

1. Institut de chimie organique de l'Académie bulgare des
Sciences.

STOYANOFF, St.; IVANOFF, IV. (Présentée de l'acad. Tsv.Kristanov le 5.
VII. 1954)

Epidermophytosis among workers of public baths in Sofia. Doklady
Belg. akad. nauk 7 no.2:65-67 Apr.Sept. '54.

1. Institut de médecine clinique et sociale de l'Académie des
Sciences Bulgare et le dispensaire urbain dermatovénérologique
de Sofia.

(SKIN, diseases,

fungus dis. in pub.bath workers in Bulgaria)

(FUNGUS DISEASES,

skin, in pub.bath workers in Bulgaria)

(OCCUPATIONAL DISEASES,

fungus dis. of skin in pub. bath workers in Bulgaria)

STOYANOFF, St.; IVANOFF, Iv.

Case of chronic benign familial pemphigus (Gougerot-Hailey-Hailey disease) Doklady Bolg.akad.nauk 7 no.2:69-70 Apr-Sept '54.

1. Institut de médecine clinique et sociale de l'academie des Sciences Bulgare et dispensaire urbain dermatovénérologique de Sofia. (Presentée de l'acad. Tsv.Kristanov le 5. VII. 1954)
(PEMPHIGUS,
chronic benign familial, case report)

IVANOFF, Madeline, ing.; BOIANGIU, T., ing.

Checking the quality of rigid polyvinyl chloride pipes produced
in Rumania. Rev chimie Min petr 12 no.10:570-575 0 '61.